PP FILTER PLATE AND FILTER PRESS MANUFACTURER, INDIA

Filter plates that seal, drain and stand firm.

Recessed, CGR, membrane and plate-and-frame plates from 250 to 2000 mm, the presses that run them, and engineered plastics. Moulded in Navsari, Gujarat, since 1975.

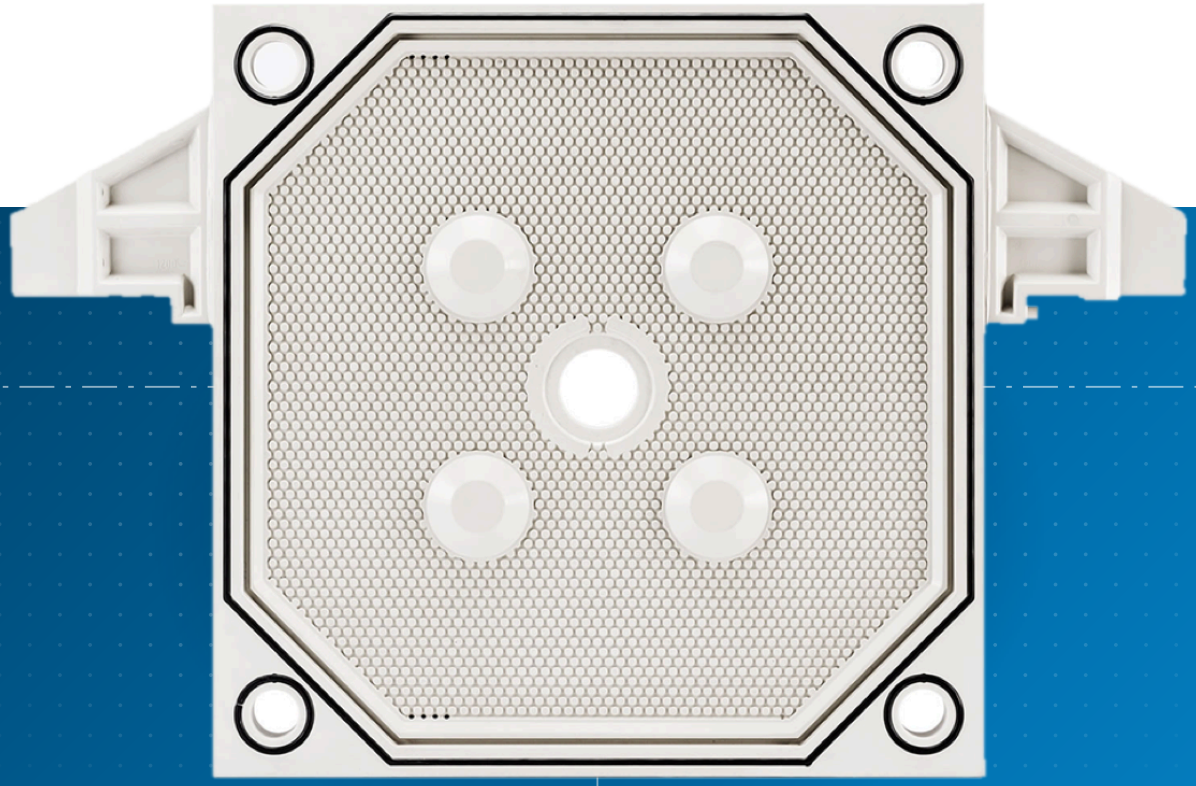


Plate sizes 250 to 2000 mm

Size range	Filtration pressure	Material
250 to 2000 mm	Up to 50 bar	Polypropylene

NAVSARI, GUJARAT, SINCE 1975

Five decades of engineered plastics, made in Gujarat

PAM Industrial Plastics began in 1975 as a one-room workshop. It is now a specialist manufacturer of polypropylene filter plates, filter presses and engineered plastic products, with its own plant at GIDC Kabilpore, Navsari.

50+ years
Moulding engineered plastics since 1975

149 sizes
Standard plastic brick moulds

8 industries
Process industries served

8 product lines
Made at one plant in Navsari

1975
Founded as Bharat Polymer
The late Prabhudev Pranjivandas Kansara opens a small workshop in Bilimora, making agricultural and engineered plastic products.

1977
The next generation takes over
Bharat Kansara and Dipak Kansara widen the range to plastic sheets, PP filter plates, plastic valves and engineering products.

Today
PAM Industrial Plastics, Navsari
A 25-person manufacturer supplying filter plates, presses and engineered plastics across India and abroad.



The plant at GIDC Kabilpore, Navsari.

WHAT WE HOLD TO

Quality
Products that stand apart and extend the life of the machinery they run in.

Performance
Every product engineered to stand the test of time.

Honesty
Honest dealing that has built long, trusted relationships.

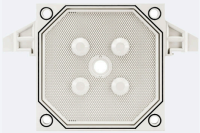
Team work
An experienced team with an eye on every detail of production.

Research
Thorough research to understand the market and serve it well.

EIGHT PRODUCT LINES, ONE PLANT

Everything a press needs, and more.

Four plate types for four duties, the presses and spares that run them, and four moulded lines from the same shop floor.



Filter plates

Recessed chamber, CGR, membrane and plate-and-frame, 250 to 2000 mm.

Page 04



Filter presses

Manual, semi-automatic, automatic, membrane and pilot presses.

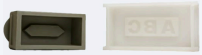
Page 06



Filter plate accessories

Nozzles in 22 sizes, handles, spigots, grommets and cloth pins.

Page 07



Plastic brick moulds

149 standard sizes, with your name moulded in.

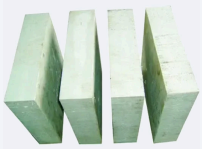
Page 08



Plastic packing

Solar corner guards, edge protectors, glass corners and spacers.

Page 10



Plastic blocks

PP, PPH and HDPE blocks, square or round, 100 to 350 mm thick.

Page 10



Plastic engineering products

PP-coated stirrers, HDPE impellers, brackets, rings and moulds to order.

Page 11



Homeopathic bottles

Leak-proof bottles in several sizes and cap colours.

Page 11

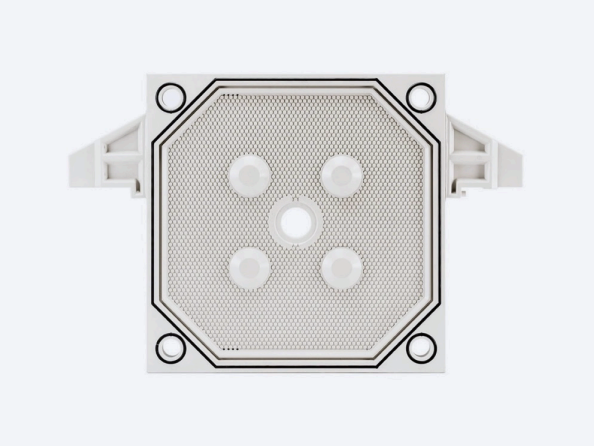
SIZE RANGE 250 TO 2000 MM

Polypropylene filter plates

Recessed chamber, CGR, plate-and-frame and membrane filter plates, moulded in polypropylene from 250 mm to 2000 mm. Every plate is built for chemical resistance, a tight seal and long cloth life.

Size range	Filtration pressure	Material	Plate types
250 to 2000 mm	Up to 50 bar	Polypropylene (PP)	4, plus specials

PLATE TYPE	SIZES	BEST FOR
Recessed chamber	250 to 2000 mm	General duty at high pressure
CGR chamber	470 to 2000 mm	Leak-free, clean-floor operation
Plate and frame	610 to 1200 mm	Cake washing and hygiene
Membrane	800, 1000, 1200, 1500 mm	Drier cake, shorter cycles



Recessed chamber plate with pipped drainage surface.

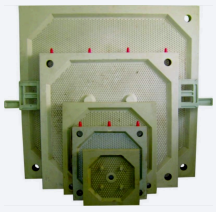
250 TO 2000 MM

Recessed chamber filter plates

The recessed chamber plate builds the frame into the plate itself. That single-piece design is far more stable than a separate plate and frame, so it runs at much higher filtration pressures. Cake and plate thickness are chosen to suit your filtration conditions.

- ✓ Single element, so it costs less than separate plates and frames
- ✓ Filtration pressures of up to 50 bar
- ✓ Suitable for high filtration temperatures
- ✓ Robust design with reinforced edges
- ✓ Pipped surface protects the filter cloth and drains evenly

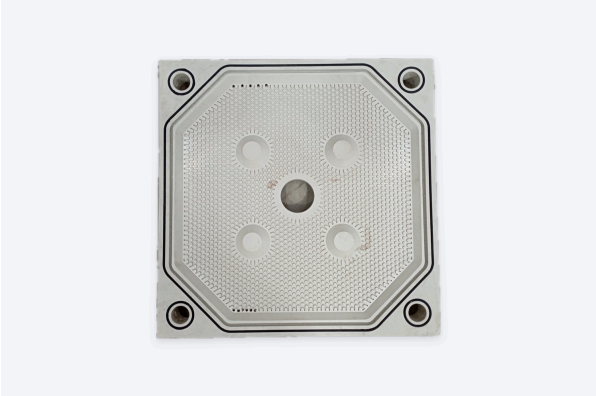
Wash and non-wash | Standard chamber | Without stay boss



THE SIZE RANGE

250 mm to 2000 mm, moulded in Navsari

Recessed chamber plates across the size range, stacked largest to smallest. Send the plate size and type for a matching quote.



470 TO 2000 MM

CGR chamber filter plates

CGR stands for caulked, gasketed and recessed. The filter cloth is caulked into a groove in the plate, and an O-ring around the sealing edge and filtrate ports closes the plate pack tight. Groove widths are typically 1/4 to 3/8 inch.

- ✓ Excellent sealing for virtually leak-free operation
- ✓ Resists chemicals, corrosion and high temperatures
- ✓ Handles high pressure and flow

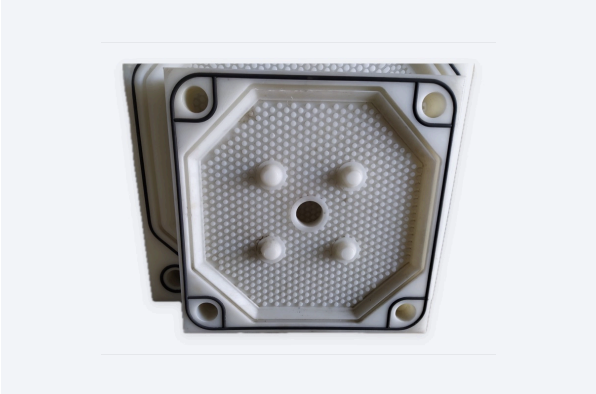


610 TO 1200 MM

Plate and frame filter plates

Still the right choice where cake washing and hygiene matter most. Symmetrical chambers give excellent wash results, and interchangeable frames change cake thickness simply and at low cost. Typical users are pharmaceutical and food producers.

- ✓ Cake thicknesses of up to 60 mm
- ✓ Easily exchangeable cloths
- ✓ Works with paper and depth filter sheets



800, 1000, 1200 AND 1500 MM

Membrane filter plates

Built like a chamber plate with a flexible drainage surface. After filtration, air pressure behind the membrane squeezes the cake and presses out the remaining moisture.

- ✓ Shorter cycle time
- ✓ Less wash water
- ✓ Lower operating cost
- ✓ Increased dry solids
- ✓ Increased capacity
- ✓ Membranes easily replaced

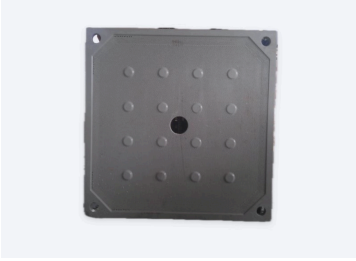
Centre feed plate | Companion plate

Special filter plates

Not every press takes a catalogue plate. PAM also moulds adapter plates, thicker plates and 800 mm round plates for retrofits and unusual duties.



Round plate, 800 mm



2000 x 2000 mm plate

PRESS TYPES: 5

Filter presses for solid-liquid separation

A filter press separates suspended solids from liquid under pressure, leaving a firm cake and a clear filtrate. PAM builds presses around its own polypropylene plate packs, from a bench-top pilot unit to automatic, high-volume machines.



PRESS TYPE	WHAT IT SUITS
Manual filter press	Hand-operated closing for small batches and occasional duty.
Semi-automatic filter press	Powered closing with manual plate shifting, for regular production.
Automatic high-volume press	Automatic closing and plate shifting for high-throughput filtration.
Membrane filter press	Membrane plates squeeze the cake for drier solids and shorter cycles.
Pilot filter press	A compact unit for trials and process development before scale-up.

HOW A CYCLE RUNS

Step 1
Feed
Slurry is pumped into the chambers between the closed plates.

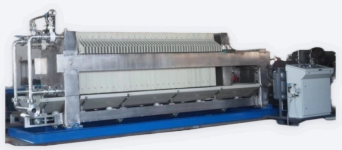
Step 2
Filter
The cloth holds back the solids while clear filtrate drains through the ports.

Step 3
Squeeze or wash
Membrane plates squeeze the cake, or wash water passes through it.

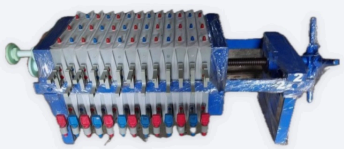
Step 4
Discharge
The press opens, the plates shift and the cake drops out.



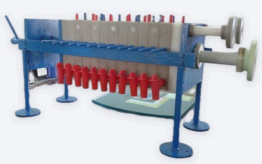
Zero leakage automatic



Stainless steel



Manual



Pilot

NOZZLE SIZES: 22

Filter plate accessories

The small parts that keep a plate pack running: nozzles, handles, spigots, grommets and cloth pins. All moulded in polypropylene, in the sizes press operators ask for.

PP NOZZLE SIZES, MM

OD	ID	LENGTH	COLLAR OD
32	16	260	50
38	25	300	70
48	35	300	70
48	35	400	100
60	45	400	85/100
60	40	483	85
64	40	483	90
72 to 74	54	483	105
74	54	610	105
75	50	365	115
78 to 80	58	460	110
85	65	400	110
90	70	460	120
90	65	440	133
90	68	640	140
100	75	500	137
115	90	490	150
124	100	584	170
127	100	584	170
141	113	610	205
169	139	610	205
204	150	545	247

Need a size not listed? Send a sample or drawing and the team will check the fit.

PP grommet

40, 50, 60, 70, 90 mm

PP handle

14 to 56 inch plates



PP handles



PP nozzles



PP spigots (cocks)



PP cloth pins



Handle for large plates



Threaded nozzle

STANDARD SIZES: 149

Plastic brick moulds

Polypropylene brick moulds that release cleanly and keep their shape, batch after batch. Choose from 149 standard sizes, single or double cavity, with your name plate moulded in.

Standard sizes	Lengths	Material	Mould types
149	7 to 11 inch	Polypropylene (PP)	5

MOULD TYPE
Single brick mould
Double brick mould
Plate and frame mould
Extended handle brick mould
Brick mould with MS patti on 4 sides MS bar on all four sides with screw-insert moulding. Outlasts a standard mould.

BUILT IN

- ✓ Premium grade polypropylene for strength
- ✓ Smooth finish for clean release
- ✓ Custom name plates and logo inserts, so every brick carries your mark

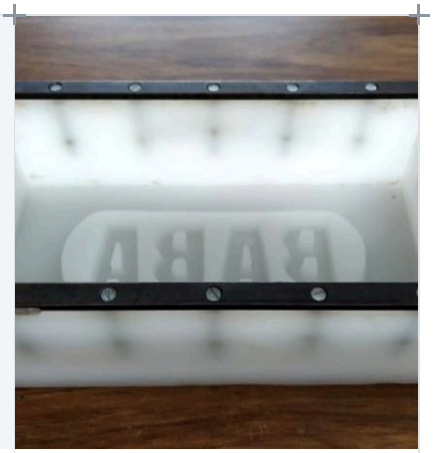
The full list of 149 sizes is on the next page. Quote the number when you enquire.



Bricks with the moulds that made them



Single moulds



MS patti on 4 sides



Double, custom lettering



Name plate insert

The 149 standard sizes

Length x width x height of the brick, as listed in the PAM catalogue. Quote the number when you enquire.

NO.	L	W	H
001	7"6	3"4	3"4
002	7"7	3"5	3"5
003	8"1	3"6.5	3"5
004	8"3.5	3"7	3"7
005	8"4	4"	3"7
006	9"1	4"1	3"
007	9"1	4"1	3"1
008	9"1	4"2	3"1
009	9"1	4"3	3"1
010	9"1	4"3	3"3
011	9"1	4"4	2"7
012	9"1	4"4	3"2
013	9"1	4"4	3"6.3
014	9"1.5	4"1.5	3"1.5
015	9"1.5	4"4	3"2
016	9"2	4"2	3"
017	9"2	4"2	3"1
018	9"2	4"2	3"2
019	9"2	4"2	3"2.5
020	9"2	4"2	3"5
021	9"2	4"2	3"6
022	9"2	4"2	4"
023	9"2	4"3	3"1
024	9"2	4"3	3"3
025	9"2	4"4	3"1
026	9"2	4"4	3"2.5
027	9"2	4"4.5	3"
028	9"2	4"5	3"
029	9"2	4"5	3"1
030	9"2	4"2	3"2.5
031	9"2	6"2	4"2
032	9"3	4"3	2"7
033	9"3	4"3	3"
034	9"3	4"3	3"3
035	9"3	4"4	3"2.5
036	9"3	4"4	3"3
037	9"3	4"5	3"1
038	9"3.2	4"5.1	3"2
039	9"4	4"	3"2
040	9"4	4"2	3"
041	9"4	4"3	3"3
042	9"4	4"3	3"4
043	9"4	4"3.5	2"7.5
044	9"4	4"3.5	3"2
045	9"4	4"4	2"7
046	9"4	4"4	3"
047	9"4	4"4	3"0.5
048	9"4	4"4	3"1
049	9"4	4"4	3"2
050	9"4	4"4	3"4
051	9"4	4"4	3"5
052	9"4	4"4	3"6
053	9"4	4"5	3"
054	9"4	4"5	3"1
055	9"4	4"5	3"2
056	9"4	4"5	3"3
057	9"4	4"5	3"4
058	9"4	4"6	3"1
059	9"4	4"6	3"2
060	9"4	4"6	3"2.7
061	9"4	4"6	3"3
062	9"4.5	4"4.5	3"0.5
063	9"5	4"4	3"
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065	9"5	4"5	3"
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071	9"5	4"6	3"1
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087	9"7	4"7	3"
088	9"7	4"7	3"1
089	9"7	4"7	3"2
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091	9"7	5"	3"1
092	10"	4"6	3"
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095	10"	4"7	3"1
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097	10"	5"	3"
098	10"	5"	3"1
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100	10"	5"	3"2.5
101	10"	5"	3"3
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104	10"1	5"	3"1
105	10"1	5"	3"2
106	10"1	5"1	3"1
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110	10"1.5	5"	3"1
111	10"1.5	5"	3"3.5
112	10"1.5	5"1.5	3"1.5
113	10"2	4"7	3"2
114	10"2	5"	3"2
115	10"2	5"	3"3
116	10"2	5"1	3"1
117	10"2	5"1	3"2
118	10"2	5"1	3"3
119	10"2	5"1	3"4
120	10"2	5"2	3"2
121	10"2	5"2	3"3
122	10"2	5"2	3"4
123	10"3	5"	3"4
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127	10"3	5"2	3"3
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130	10"4	5"1	3"3
131	10"4	5"2	3"2
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135	10"4	5"4	3"4
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138	10"5	5"2	3"3
139	10"5	5"2	3"4
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142	10"6	5"2	3"4
143	10"6	5"3	3"2
144	10"6	5"3	3"3
145	10"6	5"3	3"4
146	10"6	5"4	3"4
147	10"7	5"2	3"5
148	11"	5"4	3"4
149	11"3	5"5	3"5

SOLAR CORNER GUARD: 30, 40, 45 MM

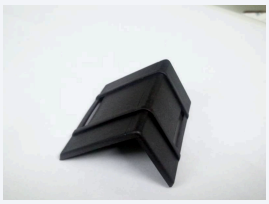
Plastic packing and edge protection

Corner guards, edge protectors and spacers that keep solar modules, glass and strapped pallets safe in transit. The solar corner guard is made from 100% recycled plastic, keeps dust out of the corners and is easy to assemble.





Solar corner guard



Edge protector, plastic or steel strap



Glass corner protector



PP / HDPE spacer

THICKNESS 100 TO 350 MM

PP, PPH and HDPE plastic blocks

Solid blocks for machining and fabrication, square or round, from 100 mm to 350 mm thick. The standard HDPE block is 755 x 400 x 360 mm; custom sizes are moulded to order and packed so every block arrives undamaged.

BLOCK	SIZE
PP blocks and circles	100 to 350 mm thick
PPH blocks	To your specification
HDPE blocks	755 x 400 x 360 mm
Reprocess blocks	Tested before dispatch



PPH blocks



PP circles



Square PP block

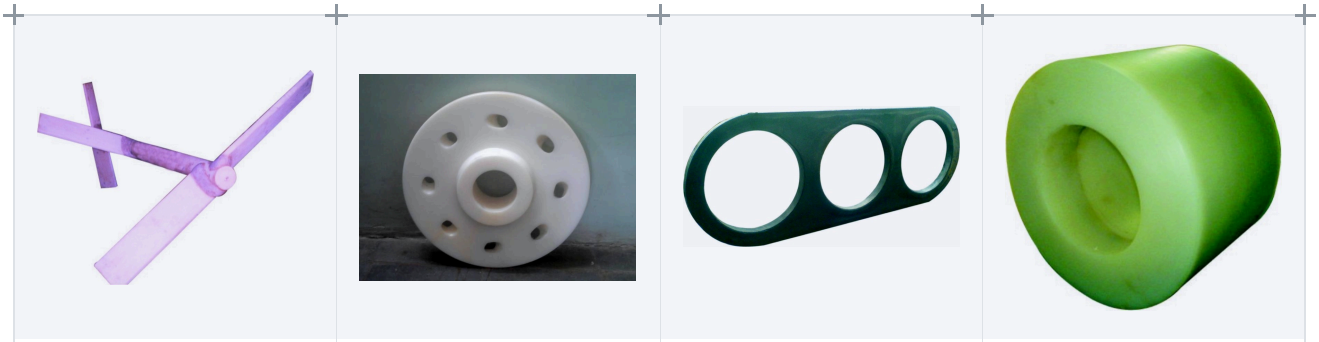


Machined HDPE block

MADE TO ORDER IN PP AND HDPE

Plastic engineering products

Custom polypropylene and HDPE components for process plants: coated stirrers, impellers, brackets, rings and moulds. Crack resistant, light and durable. Send a drawing or sample with the material and quantity.



PP coating on stirrer | HDPE impeller | HDPE bracket | Barrel mould

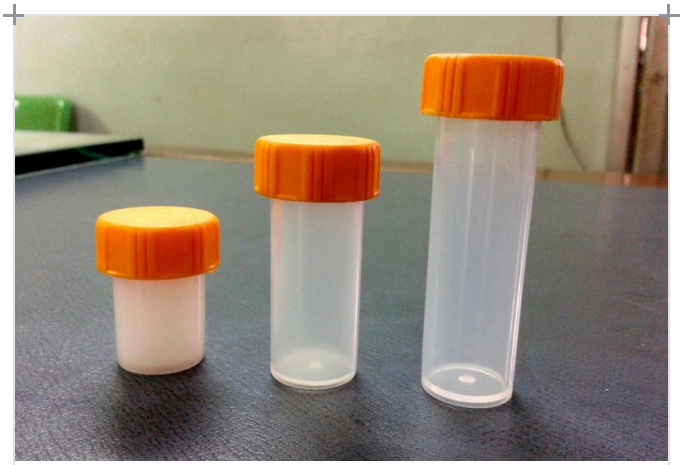
PP coating on stirrer · PP ring and circle · HDPE impeller · HDPE bracket · Barrel mould · PP splash guard

LEAK-PROOF

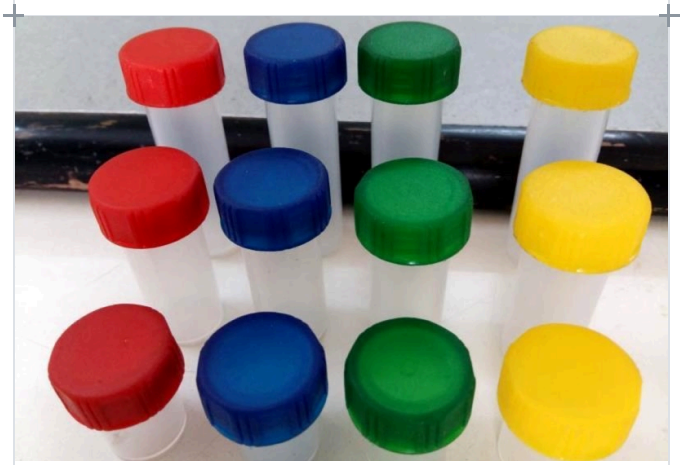
Plastic homeopathic bottles

Leak-proof plastic bottles for storing homeopathic medicines, moulded from premium plastic granules for strength. Offered in a range of sizes and cap colours; tell us the capacity and quantity.

- ✓ Leak-proof closure
- ✓ Range of sizes
- ✓ Choice of cap colours



Sizes



Cap colours

EIGHT PROCESS INDUSTRIES

Built for the slurry you actually run.

INDUSTRY	TYPICAL APPLICATIONS
Chemicals	Basic chemicals, organic and inorganic compounds, phosphoric compounds, marine chemicals, silica, activated clay, resins, starch, enzymes, pesticides
Dyestuff and pigments	Dyestuff, pigments, intermediates
Pharmaceuticals	Antibiotics, syrups, intravenous solutions, bulk drugs and intermediates
Effluent and wastewater	Industrial and municipal wastewater, paper, leather, latex, sewage
Ceramics and minerals	Kaolin, clay, porcelain, fine earth, industrial sands, marble
Metallurgy	Nickel, copper, zinc, lead, silver, non-ferrous metals
Food and beverages	Soups and flavourings, cane juice, edible oil, fats, palm oil, distilleries
Viscose and fibres	Staple fibre, acrylic fibre, other fibres
Solar, fire safety, plastic sheet	Corner guards and stacking protection, fire nozzles, plastic blocks and engineering products

WHY PLANT MANAGERS STAY WITH PAM

A plant built for the job

Machines and tooling to mould plates up to 2000 mm, at GIDC Kabilpore, Navsari.

Made to your size

Catalogue sizes, adapter and thicker plates, and parts to your drawing.

Checked at every stage

From raw material to dispatch, with an in-house quality testing unit.

Short lead times

Large capacity and a wide line, so your order is not waiting in a queue.

Stocked and packed with care

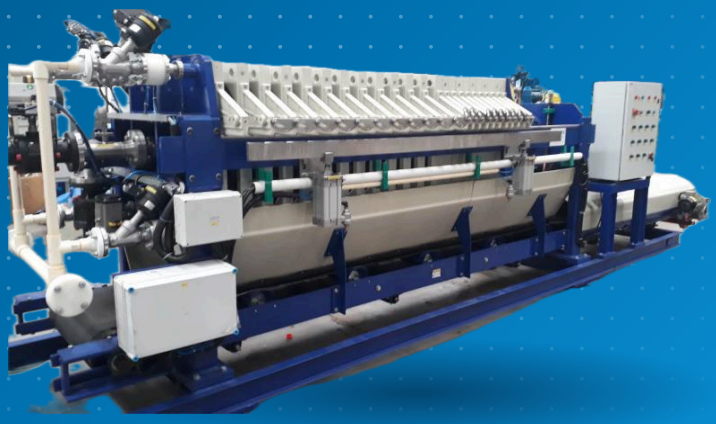
Final inspection, and packing that is labelled, named and numbered.

Straight dealing

Transparent deals and on-site after-sales support.

EXPORTED TO

From Navsari to process plants in six countries.

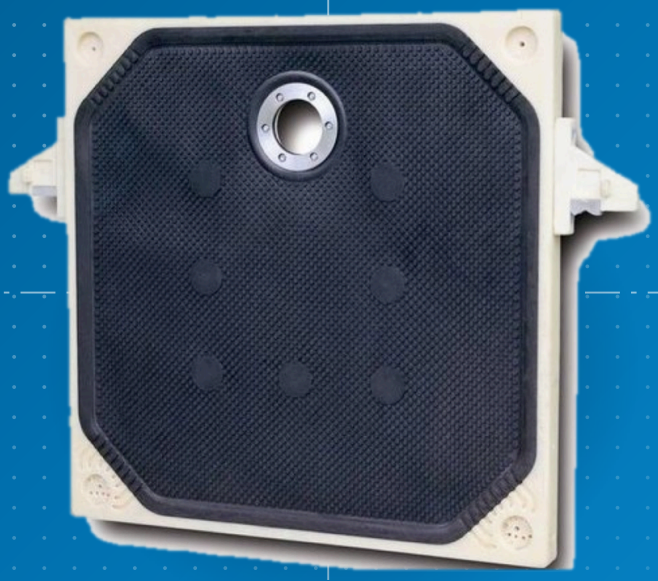


Germany | Singapore | USA | Japan | France | South Africa

PAM
INDUSTRIAL PLASTICS
we deliver excellence

Tell us the size, the slurry and the quantity.

Send your requirement and the PAM team will come back with a quotation. For a replacement plate or part, include the plate size and type and a drawing or sample.



Membrane plates 800 to 1500 mm

PLANT AND OFFICE

Plot No. 433, Phase 2
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